



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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**PART NUMBER:** 966525  
**DESCRIPTION:** 24 AWG /25 Pair Category 5e CMR  
**COMPLIANCE:**  
➢ ETL Listed Type CMR  
➢ C(ETL) listed CMR  
➢ Verified to ANSI/TIA-568-C.2

## Construction Parameters:

Conductor	24 AWG Solid Bare Copper	<b>DIAMETER*</b>
Dielectric	Solid PE	0.020"
Assembly	25 pairs around central filler; each pair has different lay length for cross-talk prevention	0.039"
Jacket	PVC	0.532"

\* = Nominal value

## Product Electrical Characteristics:

Max Capacitance (nF/100m @ 1 kHz)	Max DC Resistance ( $\Omega$ /100m @ 20 °C)	Max Delay Skew (ns/100m)	Nom Velocity of Propagation (%)	Characteristic Impedance ( $\Omega$ @ 1-100 MHz)
5.6	9.38	45	68	100 +/- 15

Freq (MHz)	Max Insertion Loss (dB/100m)	Min NEXT Loss (dB)	Min PSNEXT Loss (dB)	Min ACR (dB/100m)	Min PSACR (dB/100m)	Min ACRF (dB/100m)	Min PSACRF (dB/100m)	Min Return Loss (dB)
1	2.0	65.3	62.3	63.3	60.3	63.8	60.8	20
10	6.5	50.3	47.3	43.8	40.8	43.8	40.8	25
16	8.2	47.3	44.3	39.1	36.1	39.7	36.7	25
20	9.3	45.8	42.8	36.5	33.5	37.7	34.7	25
31.25	11.7	42.9	39.9	31.2	28.2	33.9	30.9	23.6
62.5	17.0	38.4	35.4	21.4	18.4	27.8	24.8	21.5
100	22.0	35.3	32.3	13.3	10.3	23.8	20.8	20.1
155	28.1	32.4	29.4	4.3	1.3	20.0	17.0	18.8
200	32.4	30.8	27.8	-	-	17.8	14.8	18.0
250	36.9	29.3	26.3	-	-	15.8	12.8	17.3
350	44.9	27.1	24.1	-	-	12.9	9.9	16.3

\* Note that values above 100 MHz are not guaranteed and are for engineering reference only.

Pair Colors: Per ANSI/ICEA S-80-576 standard telephone color code  
Jacket Color: Standard color is Blue

Legend (Ink Print) COLEMAN CABLE 966525 CAT 5E 24 AWG 25PR UTP C(ETL)US LISTED (ETL CODE) TYPE CMR FT4 --  
VERIFIED TO ANSI/TIA-568-C.2 CAT 5E  
*(Also printed with sequential footage & date code)*

This product complies with European Directive 2011/65/EU (RoHS-2)

On special orders, the customer will accept all mil lengths and +/- 10 percent of total order requested.

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